

2013-14 Update

Status, Goals and
Recommendations

2013-14 Update

- Commission Mandate
- Progress to date:
 - Mandated Activities
 - Other Sustainability Efforts
- Plan for the future

Ordinance 19A.01:

“...**The Commission shall**, with the assistance of City Department staff made available by direction of the City Council or of consultants budgeted for by the Council, **have the following objectives:**”

- ✓ Create a baseline inventory “benchmark”
- ✓ Recommend targets
 - Develop a local Energy Action Plan.
 - Implement the local Energy Action Plan.
 - Measure, verify and report

Sustainability Targets

Next Generation Energy Act

(Minn. Stat. 216H.02)

Greenhouse Gas (GHG) reduction targets:

2015: 15% below 2005

2025: 30% below 2005

2050: 80% below 2005

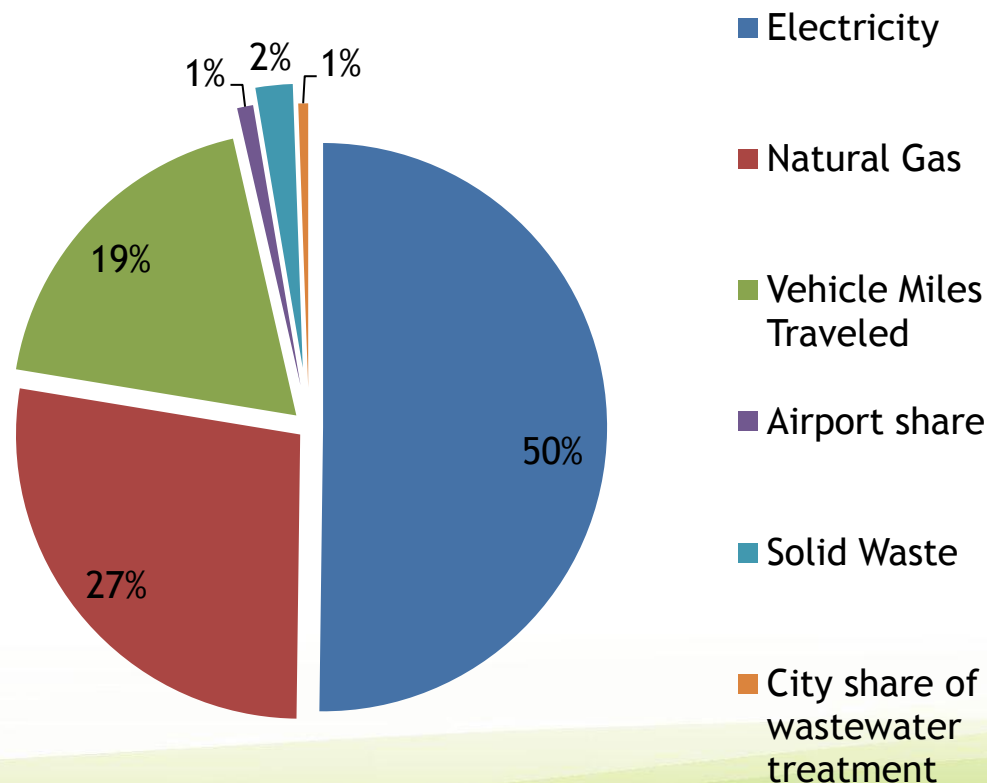




Community Benchmark Study

- Community - wide energy & GHG data
- Trend Analysis
- Ongoing Updates
- Comparisons to 20 other MN Cities

Rochester GHG Emissions 2010



Municipal Facility Benchmarking (B3 Program)

- A tool for municipal building energy management
- State mandated benchmarking
- “We can’t manage what we don’t measure”
- Already in use by ISD-535 for 10 years

Advisory Role

- Review and Advise on Public Facilities as recommended by Council
- Sustainability & energy efficient project reviews (2014)
 - Senior Citizen Center
 - Fire Station #2




Outreach

Jan 2013	Rochester Solar Study “Insolation”
Feb 2013	ULI Benchmarking Results
March 2013	Leadership Greater Rochester
June 2013	Rochester GreenDrinks
July 2013	Bike Share Program Input Session
Sept 2013	Chamber of Commerce Energy Summit
2013 x 2	Mayo Green Committee

Outreach

RECON Sub-committee

- Rochester Energy Commission Outreach Network (RECON)
 - Outreach materials reviewed by Commission
 - Meet monthly with public members
 - RECON views and appearance remain consistent with the REC
- 

Outreach Toolkit



Basic toolbox for informational outreach

- “Slogo”
- Brochure
- Development of informational news pieces

Expenditures

Effort	Cost
Sustainability Intern (Part-time)	\$10,400
ULI Study Update (2013 Data)	\$500
MN CERTS Matching Grant	\$3,000
Misc. Outreach Expenses	~\$100

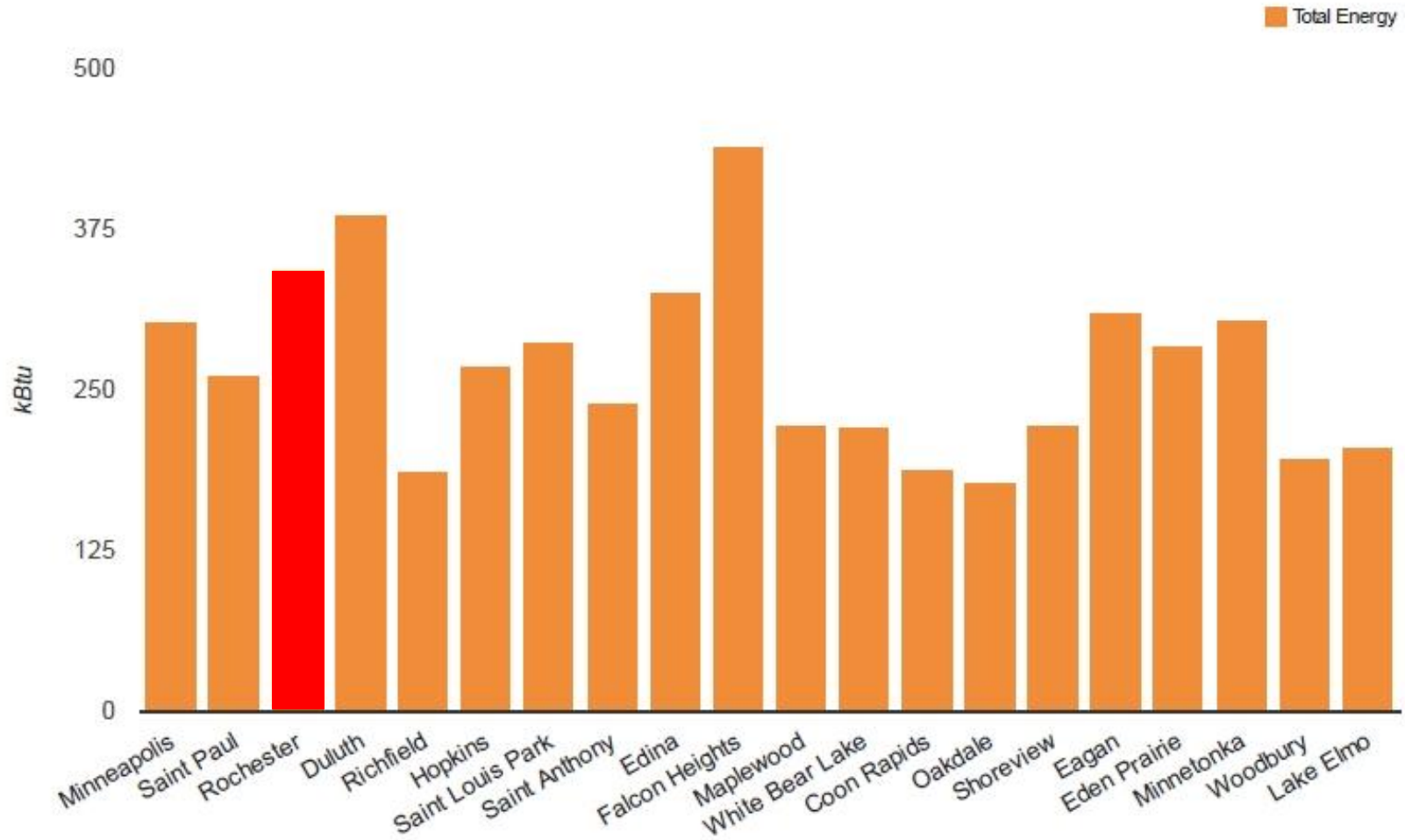
Where Does Rochester Stand?



Trends for 20 Minnesota cities from 2008-2011



How Does the Rochester Community Compare?



How Do Rochester Municipal Buildings Compare?

Rating and Disclosure System (RADS)

Cities - Ranked by EUI

How does your organization compare against its peers? Taking information provided by public organizations in the B3 Benchmarking application, the new RADS report displays energy performance for entities organized by sector using five basic metrics. For each metric, organizations are ranked with best performers on top. See how specific buildings are doing by clicking on an organization's name and zooming in for more details.

Sector: Cities											
EUI Benchmark Energy \$/SF Potential Savings Freshness											
#	Name	EUI (kBtu/SF/yr)	Completed Sq Ft	Total Sq Ft	Completed Sq Ft %	Completed Sites	Total Sites	Completed Sites %	Completed Meters	Total Meters	Completed Meters %
203	Eden Prairie	122.41	616,318	838,318	74%	12	13	92%	25	30	83%
204	Rochester	125.00	964,145	1,675,907	58%	14	19	74%	35	48	73%
205	North Branch	127.65	27,839	56,647	49%	3	6	50%	6	11	55%
206	Mountain Iron	128.27	32,000	32,000	100%	4	4	100%	9	9	100%
207	Minnetonka	128.29	332,329	332,329	100%	10	10	100%	19	19	100%
208	St. Paul Park	129.72	18,720	18,720	100%	2	2	100%	4	4	100%
209	Bloomington	129.82	537,377	537,377	100%	10	10	100%	28	28	100%
210	Cold Spring	130.87	25,414	25,414	100%	1	1	100%	1	1	100%
211	Fridley	132.23	59,650	59,650	100%	2	2	100%	6	6	100%
212	Edina	133.48	620,136	620,136	100%	20	20	100%	46	46	100%
213	Welcome	134.22	5,625	5,625	100%	1	1	100%	1	1	100%
214	Hoyt Lakes	136.15	40,655	126,371	32%	1	6	17%	2	2	100%
215	Silver Bay	137.34	5,608	112,718	5%	1	6	17%	3	14	21%
216	Gonvick	138.13	5,980	5,980	100%	1	1	100%	2	2	100%
217	Savage	138.48	125,109	125,109	100%	8	8	100%	16	16	100%
218	Maplewood	138.86	188,482	199,252	95%	3	10	30%	6	20	30%

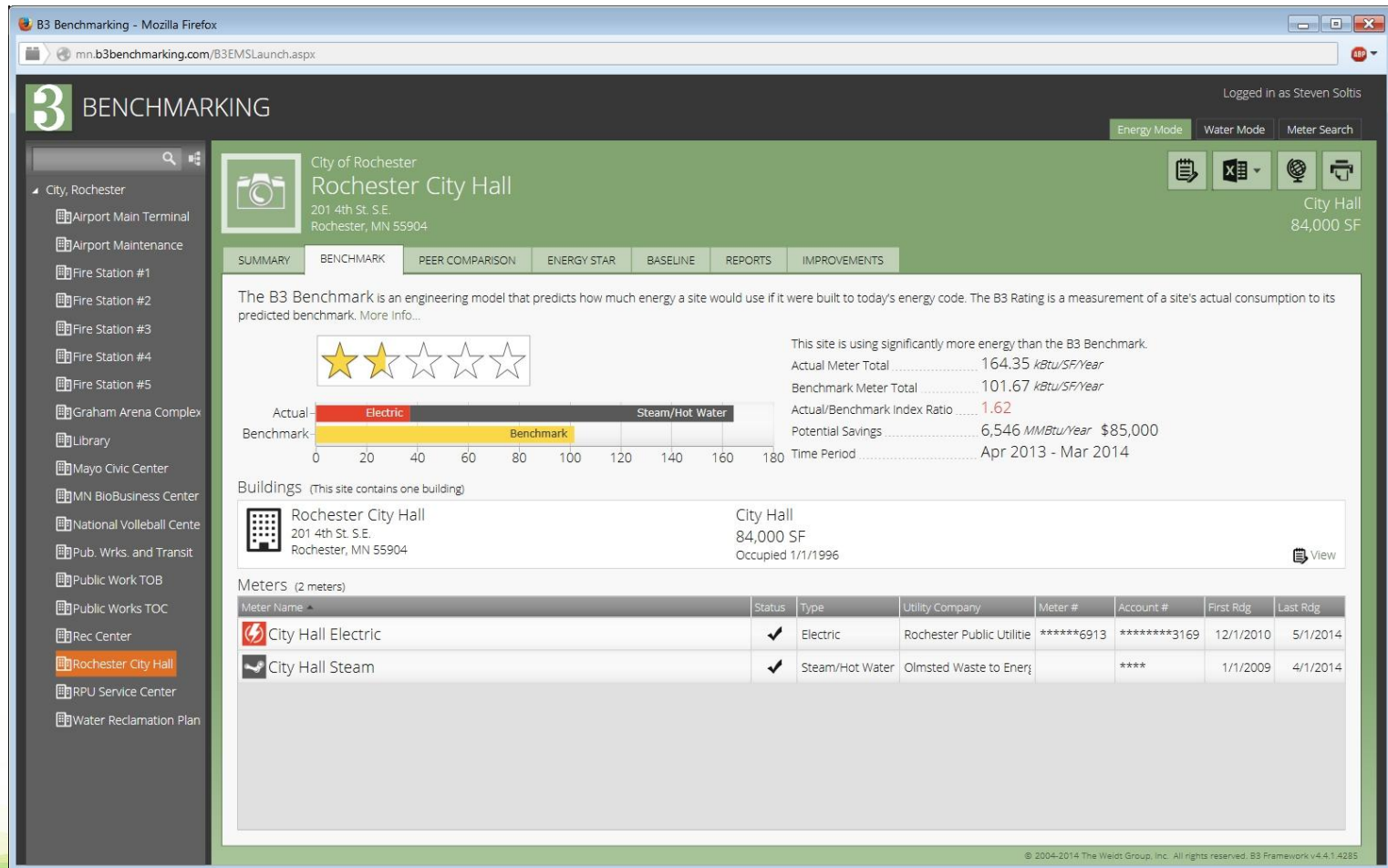
239 cities listed

< 100 kBtu/SF/yr
100-130
130-140
140-150
> 150 kBtu/SF/yr
Data Not Available

Need help understanding why your organization is ranked where it is? Need assistance getting your data up to date? Contact us at b3support@twgi.com or call 952-939-1878.

Reporting on data current to 5/28/2014 1:18:44 AM CST.

How Could We Save Money on Municipal Buildings?



Getting from here:

- ✓ Create a baseline inventory “benchmark”
- ✓ Recommend targets
 - Develop a local Energy Action Plan.
 - Implement the local Energy Action Plan.
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To here:

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(Minn. Stat. 216H.02)

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Rochester Energy Action Plan

- Rochester Energy Action Plan – We're Ready
 - It's the next step for Ordinance 19A
 - Take advantage of ongoing planning/ visioning efforts
 - The lowest cost moment is here



Other “Classy Cities” with Energy Action Plans

First Class City	Do They Have a Plan?
Minneapolis	<input checked="" type="checkbox"/>
St. Paul	<input checked="" type="checkbox"/>
Duluth	<input checked="" type="checkbox"/>
Rochester	<input type="checkbox"/>

Questions





- Thanks to Our Staff: Jeff Ellerbusch, John Tracy (2013 Intern), Alissa Nelson (2014)
- Links:
 - regionalindicatorsmn.uli.org
 - greenstep.pca.state.mn.us
 - mn.b3benchmarking.com
 - www.rochestermn.gov/energycommission